

**METHODS AND APPARATUS FOR DETERMINING THE POSITION OF A
MOBILE TERMINAL USING LOCALIZED SOURCE ASSISTANCE
INFORMATION**

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ABSTRACT OF THE DISCLOSURE

The position of a mobile terminal is determined including receiving location
determination signals from satellite positioning system transmitters. Location
assistance information is received from a wide area wireless communication network
10 in an associated format defined by a protocol of the network. Location assistance
information is received from a local wireless transmitter in the associated format. The
local wireless transmitter and the wide area wireless communication network are
uncoordinated and have different associated wireless transmission protocols. The
position of the mobile terminal is determined based on the received signals from the
15 satellite positioning system transmitters and location assistance information received
from either the wide area wireless communication network or the local wireless
transmitter. The source of the location assistance information may be selected based
on availability and may be an ad hoc protocol wireless transmitter, such as a
Bluetooth transmitter.

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